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NABL ACCREDITED AS PER ISO/IEC 17025:2005

Job No.: CECTC-LNP-PMC-2014-15 Date: 03.06.2014

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Sri. L.Nithyananda Prabhu**, Contractor, Bangalore.
NAME OF THE WORK	:	Providing and Laying HDPE Water line in Channappa Garden and Sundar Nagara Block-II in JP Park, Ward No 17.
REFERENCE		EE/RRND/W.O/220/2013-14 Dated: 05.02.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.00 %	-

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15 days from the date of testing.

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Job No.: CECTC-LNP-PMC-2014-15 Date : 03.06.2014

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri. L.Nithyananda Prabhu**, Contractor, Bangalore.

Name of Work : Providing and Laying HDPE Water line in Channappa Garden and Sundar Nagara Block-II in JP Park, Ward No 17.

Reference : EE/RRND/W.O/220/2013-14 Dated: 05.02.2014

Date of Testing : 03.06.2014

Material : Sand Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	70	7.00	7.00	93.0	90-100
2.36	122	12.20	19.20	80.8	75-100
1.18	168	16.80	36.00	64.0	55-90
600 Micron	204	20.40	56.40	43.6	35-59
300 Micron	198	19.80	76.20	23.8	8-30
150 Micron	150	15.00	91.20	8.8	0-10

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No. CECTC-LNP-PMC-2014-15 Date : 03.06.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

ient : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
gency : **Sri. L.Nithyananda Prabhu,** Contractor, Bangalore.
ame of Work : Providing and Laying HDPE Water line in Channappa Garden and Sundar Nagara Block-II in JP Park, Ward No 17.
eference : EE/RRND/W.O/220/2013-14 Dated: 05.02.2014
ate of Testing : 03.06.2014
aterial : 40mm Aggregates

Total wt. of aggregates in gms = **15000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	450	3.00	3.00	97.00	95-100
20	8265	55.10	58.10	41.90	30-70
10	3378	22.52	80.62	19.38	10-35
4.75	2648	17.65	98.27	1.73	0-5

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No.: CECTC-LNP-PMC-2014-15 Date : 03.06.2014

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

ent : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

gency : **Sri. L.Nithyananda Prabhu**, Contractor, Bangalore.

ame of Work : Providing and Laying HDPE Water line in Channappa Garden and Sundar Nagara Block-II in JP Park, Ward No 17.

eference : EE/RRND/W.O/220/2013-14 Dated: 05.02.2014

ate of Testing : 03.06.2014
aterial : 20mm Aggregates

Total wt. of aggregates in gms = **5000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	198	4.0	4.0	96.0	95-100
10	2678	53.6	57.5	42.5	25-55
4.75	1798	36.0	93.5	6.5	0-10

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Job No.: CECTC-LNP-PMC-2014-15 Date: 04.07.2014

TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Sri. L.Nithyananda Prabhu**, Contractor, Bangalore.

Name of the work : Providing and Laying HDPE Water line in Channappa Garden and Sundar Nagara Blosk-II in JP Park, Ward No 17.

Reference : EE/RRND/W.O/220/2013-14 Dated: 05.02.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	06.06.2014	04.07.2014	8.189	518.7	23.05
2	06.06.2014	04.07.2014	8.205	520.4	23.13
3	06.06.2014	04.07.2014	8.178	515.0	22.89

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